

REMARKS/ARGUMENTS

Upon entry of the instant amendment, claims 1-14 are pending. Claim 1 has been amended to more particularly define the Applicant's invention. Claim 6-11, 13 and 14 have been found to include allowable subject matter. Thus, claim 6 has been converted to independent form to include all of the limitations of the independent base claim and all intervening claims. Claim 7-11 depend either directly or indirectly upon claim 6. As such, claims 6-11 should be in condition for allowance. Claim 13 has also been converted to independent form to include all of the limitations of the base claim. Claim 14 depends on claim 13. Thus, claims 13 and 14 should also be allowable. It is also respectfully submitted that the remaining claims 1-5 and 12 define patentable subject matter over the references of record. The Examiner is thus respectfully requested to provide favorable consideration of claims 1-5 and 12.

Claim Rejection – 35 U.S.C. § 102

Claims 1-5 and 12 have been rejected under 35 U.S.C. § 102(e) as being anticipated by Limberg U.S. patent no. 6,496,229. It is respectfully submitted that in order for there to be anticipation, each and every element of the claims must be found in a single reference. It is respectfully submitted that the claims 1-5 as amended as well as claim 12 recite subject matter clearly not disclosed or suggested by the Limberg patent. For example, claims 1-5 recite a compensation circuit for generating a compensation signal, said compensation signal generated by multiplying said (I) channel and (Q) channel signals together to develop a first product signal and averaging said product signal.

Claim 12 is similar in that it requires the generation of a compensation signal that is generated by multiplying the (I) channel and (Q) channel to develop a product signal which is then averaged to develop a time averaged signal which is used as a compensation signal. It is respectfully submitted that the Limberg patent does not disclose a signal for generating such a compensation signal. In particular, the Applicant has reviewed the Examiner's citation to col. 6,

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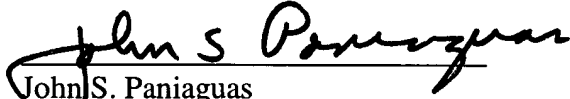
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line 38 to col. 7, 15 which relates to a n Automatic Frequency and Phase Control (AFPC) Detector 34. The AFPC Detector 34 is used to detect the in-phase and quadrature-phase baseband signal. Although the AFPC Detector 34 relates to multiplying the (I) and (Q) baseband signals together, it does not disclose or suggest using such a signal as a compensation signal in order to compensate. For all of the above reasons, the Examiner is respectfully requested to reconsider and withdraw the rejection of claims 1-5 and 12.

Respectfully submitted,

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